

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P771160

Luminaire Tested: LD6D75BD010-EU6DR3570959030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR3570959030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7980.2 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

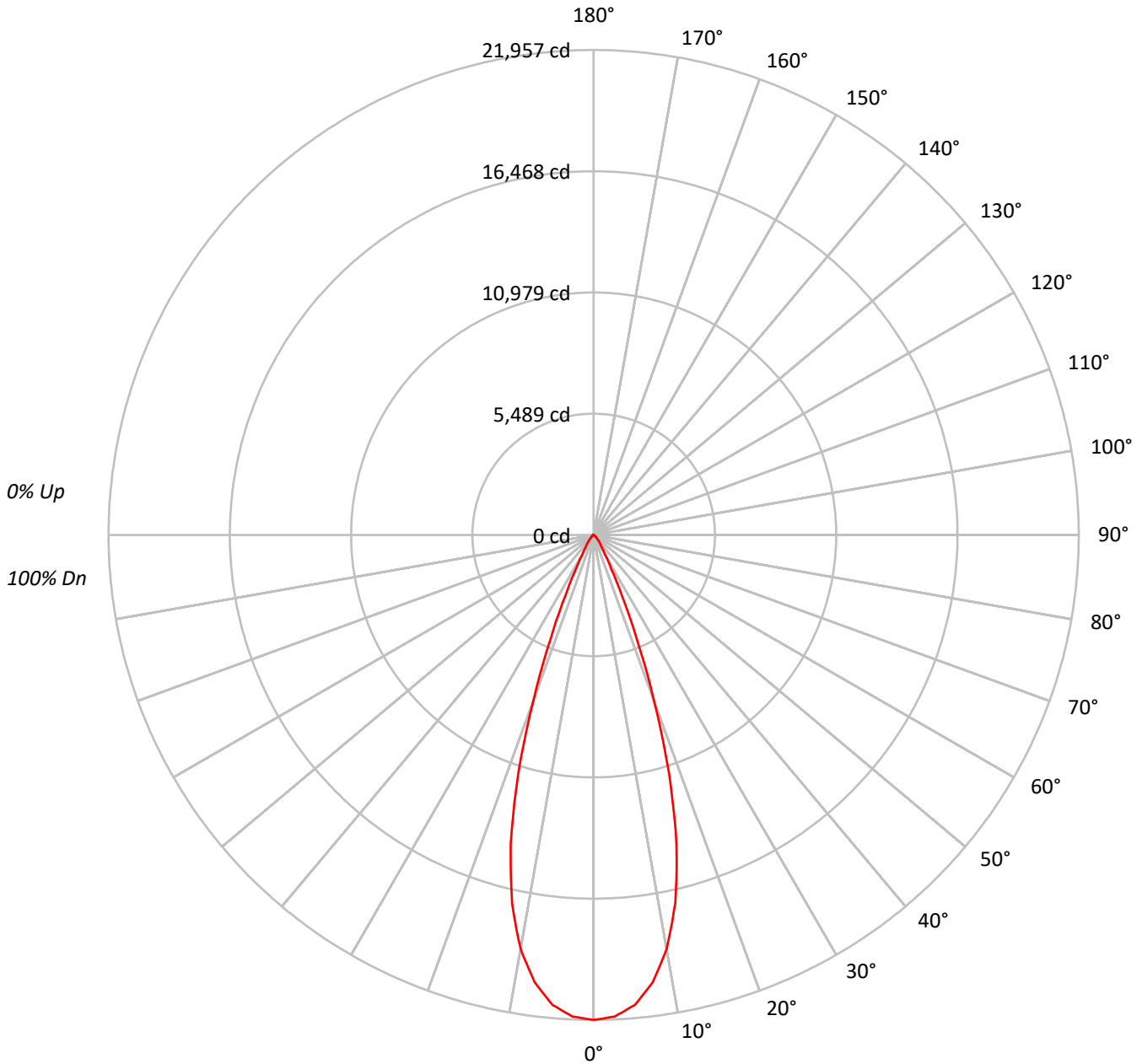
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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CATALOG NUMBER: LD6D75BD010-EU6DR3570959030-6LBS1B

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20								
RC	80									50									30									10									0								
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0															
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	99	98	98	96	96	95	93	92																
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96	96	95	93	92	92	91	89	88	88	84																
	2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92	92	91	89	88	88	84	82	81	81	78																
	3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88	88	84	82	81	81	78	75	75	72	70																
	4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84	84	82	81	81	78	75	75	72	70	68																
	5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81	81	78	75	75	72	70	68	68	65	63																
	6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78	78	75	75	72	70	68	68	65	63	61																
	7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75	75	72	70	68	68	65	63	61	59	57																
	8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72	72	69	67	65	63	61	59	57	55	53																
	9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70	70	67	65	63	61	59	57	55	53	51																
	10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68	68	65	63	61	59	57	55	53	51	49																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2399082
5°	2342714
10°	2111408
15°	1638788
20°	929497
25°	361619
30°	134907
35°	73947
40°	48337
45°	29420
50°	18732
55°	13239
60°	9681
65°	5274
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29420 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1964.5	24.6
10°-20°	3835.5	48.1
20°-30°	1564.3	19.6
30°-40°	374.3	4.7
40°-50°	156.0	2.0
50°-60°	64.6	0.8
60°-70°	20.2	0.3
70°-80°	0.5	0.0
80°-90°	0.3	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7364.3	92.3
0°-40°	7738.6	97.0
0°-60°	7959.2	99.7
0°-90°	7980.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7980.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	21957	
5°	21360	###
15°	14488	3836
25°	3000	1564
35°	554	374
45°	190	156
55°	70	65
65°	20	20
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	21957.4
2.5°	21825.7
5°	21359.9
7.5°	20430.7
10°	19030.9
12.5°	17059.9
15°	14487.8
17.5°	11342.1
20°	7994.1
22.5°	5097.5
25°	2999.6
27.5°	1695.6
30°	1069.3
32.5°	750.8
35°	554.4
37.5°	428.7
40°	338.9
42.5°	261.0
45°	190.4
47.5°	142.5
50°	110.2
52.5°	87.4
55°	69.5
57.5°	56.3
60°	44.3
62.5°	32.3
65°	20.4
67.5°	7.2
70°	1.2
72.5°	1.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)